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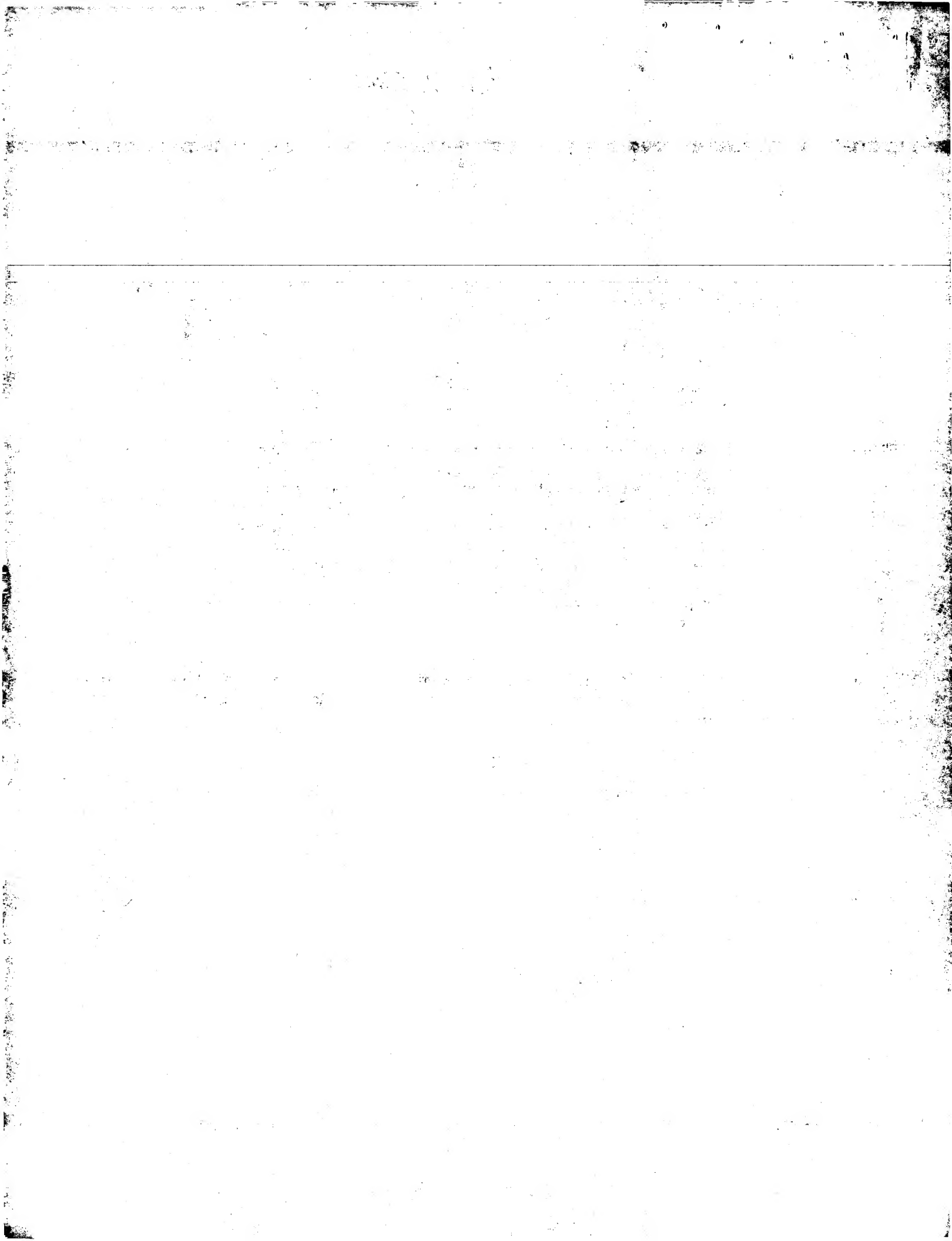
INT.CL. : A61K 7/42

TITLE : DERMAL COSMETIC FOR PROTECTING SKIN FROM ULTRAVIOLET RAYS AND PRODUCTION THEREOF

ABSTRACT : PURPOSE: To obtain the title cosmetic, containing ultrafine titanium dioxide particles, capable of sustaining effects on prevention of ultraviolet rays, further transparent when applied to the skin without damaging the skin and freely applicable to any part of the body.

CONSTITUTION: A cosmetic containing (A) 5~25wt.% 10% aqueous solution of ultrafine titanium dioxide particles having 100~200nm particle diameter, (B) 3~10wt.% polyoxyethylene methylglycoside (10~20 EO), (C) 1~3wt.% polyoxyethylene (7mol monofatty acid glyceryl and (E) 42~86wt.% purified water. The above-mentioned cosmetic is prepared by adding the ingredient (D) to the ingredient (A), blending both at ambient temperature, adding the ingredients (C), (B) and (E) in the order mentioned to the resultant blend solution while blending the ingredients each time. Alternatively, a prescribed amount of the afore-mentioned stock solution of the cosmetic is separated and collected in a pressure-resistant container, which is then hermetically sealed. Deodorized liquefied petroleum gas or fluorocarbon gas is then injected to provide a simply usable aerosol cosmetic.

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 99/29259

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K7/42

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A	US 5 607 979 A (M. MCCREERY) 4 March 1997 (1997-03-04) ---	1
A	EP 0 704 205 A (L'OREAL) 3 April 1996 (1996-04-03) claim 1; example 1B ---	1
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

4 April 2000

Date of mailing of the international search report

18/04/2000

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INTERNATIONAL SEARCH REPORT

International Application No.

PCT/US 99/29259

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